

**IN THE CLAIMS:**

Please cancel claims 1-10 and 19-31 without prejudice or disclaimer.

Amend claims 11-18 under the provisions of 37 C.F.R. § 1.121(a)(2)(ii) as follows:

11. (Amended) A variant of a parent *Polyporus pinsitus* (I) laccase, [which] wherein said variant has an increased oxidation potential and comprises a mutation in a position corresponding to[ at least one of the following positions] a position in SEQ ID No. 2 selected from the group consisting of:

A390V,P,L,I,F,Y,W;

G392A,V,P,L,I,F,Y,W;

E460D; and combinations of any of the foregoing.

12. (Amended) A variant of a parent *Polyporus pinsitus* (I) laccase, [which] wherein said variant has an altered pH optimum and comprises a mutation in a position corresponding to [at least one of the following positions] a position in SEQ ID No. 2 selected from the group consisting of:

E460L,I,F,M,S;

F463L,M; and combinations of any of the foregoing.

13. (Amended) A variant of a parent *Polyporus pinsitus* (I) laccase, [which] wherein said variant has an altered mediator efficiency and comprises a mutation in a position [corresponding to at least one of the following positions] a position in SEQ ID No. 2:

G392A;

A461T,S;

N260Q,Y;

G165K,R; and combinations of any of the foregoing.

14. (Amended) A variant of a parent *Polyporus pinsitus* (I) laccase, [which] wherein said variant has an altered O<sub>2</sub>/OH<sup>-</sup> pathway and comprises a mutation in a position corresponding

corresponding to [at least one of the following positions] a position in SEQ ID No. 2  
selected from the group consisting of:

F81D,E;

L112D,E;

A80D,E; and combinations of any of the foregoing.

15. (Amended) A variant of a parent *Myceliophthora thermophila* laccase, [which] wherein  
said variant has an increased oxidation potential and comprises a mutation in a position  
corresponding to [at least one of the following positions] a position in SEQ ID No. 10  
selected from the group consisting of:

G511A,V,P,L,I,F,Y,W;

T428A,V,P,L,I,F,Y,W;

S510A,V,P,L,I,F,Y,W;

D106A,V,P,L,I,F,Y,W;

N109A,V,P,L,I,F,Y,W,Q;

L500I,F,Y,W;

A108V,P,L,I,F,Y,W;

G514A,V,P,L,I,F,Y,W; and combinations of any of the foregoing.

16. (Amended) A variant of a parent *Myceliophthora thermophila* laccase, [which] wherein  
said variant has an altered pH optimum and comprises a mutation in a position  
corresponding to [at least one of the following positions] a position in SEQ ID No. 10  
selected from the group consisting of:

192-193;

234-236;

269;

293-294;

364-365;

372-373;

426-433;

503-513; and combinations of any of the foregoing.

17. (Amended) A variant of a parent *Myceliophthora thermophila* laccase, [which] wherein said variant has an altered mediator efficiency and comprises a mutation in a position corresponding to [at least one of the following positions] a position in SEQ ID No. 10 selected from the group consisting of:

185-194;

235;

293-294;

365-373;

427-429;

505;

507-508;

510-511; and combinations of any of the foregoing.

18. (Amended) A variant of a parent *Myceliophthora thermophila* laccase, [which] wherein said variant has an altered O<sub>2</sub>/OH<sup>-</sup>-pathway and comprises a mutation in a position corresponding to [at least one of the following positions] a position in SEQ ID No. 10 selected from the group consisting of:

A506E;

N109D;

H93E;

H95E;

M433E;

M480E; and combinations of any of the foregoing.

#### REMARKS

Entry of this amendment is respectfully requested.

Claims 1-31 were originally presented. In this amendment, claims 1-10 and 19-31 are cancelled without prejudice and claims 11-18 are amended to conform to U.S. patent practice. No new matter is added. Accordingly, claims 11-18 are pending and at issue.

Applicants enclose herewith the Sequence Listing for the above-captioned